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E72-10235

CR-129112

APPRAISING CHANGES IN CONTINENTAL MIGRATORY BIRD HABITAT

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Jamestown, North Dakota

1 November 1972

Type I Progress Report for Period 1 September 1972 - 31 October 1972

Prepared for:

Goddard Space Flight Center
Greenbelt, Maryland 20771

(E72-10235) APPRAISING CHANGES IN CONTINENTAL MIGRATORY BIRD HABITAT Progress Report, 1 Sep. - 31 Oct. 1972 H.K. Nelson (Bureau of Sport Fisheries and Wildlife) 9 Oct. 1972 4 p	N73-12335 Unclas CSCL 08F G3/13 00235
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Publication authorized by the Director, Bureau of Sport Fisheries and Wildlife

Type I Progress Report
ERTS-A

(Cover Sheet)

a. Title: Appraising Changes in Continental Migratory Bird Habitat

ERTS-A Proposal No.: SR 255

b. GSFC ID No. of P.I.: IN 051

c. Statement and explanation of any problems that are impeding the progress of the investigation:

The late ERTS-A launch has made it necessary to reschedule the water inventories and vegetation studies until the spring and summer of 1973. However, the receipt of late summer and fall data in 1972 will help us prepare for processing 1973 data. Cloud cover in September and early October prevented data collection over the primary test site.

d. Discussion of the accomplishments during the reporting period and those planned for the next reporting period:

Liaison has continued with personnel of the University of Michigan who, as co-investigators, will do most of the data processing. A sub-contract with the University of Michigan will be completed during the next reporting period.

Messrs. Frederick J. Thomson and Edgar A. Work, Jr. will be responsible for data processing carried out at the University of Michigan. Mr. Work was in North Dakota in September 1972 to review project objectives and visit the Woodworth Test Site.

e. Discussion of significant scientific results and their relationship to practical applications or operational problems including estimates of the cost benefits of any significant results (To be prepared in scientific abstract form of 200 words or less):

Nothing to report.

f. A listing of published articles, and/or papers, pre-prints, in-house reports, abstracts of talks, that were released during the reporting period:

Nothing to report.

g. Recommendation concerning practical changes in operations, additional investigative effort, correlation of effort and/or results as related to a maximum utilization of the ERTS system:

As an additional investigative effort, we are considering the use of ERTS data to monitor changes in agricultural cropping systems resulting from the introduction of irrigation (Garrison Diversion Project - under construction) and the improved prices on small grains due to large grain sales abroad. Changes in cropping systems and intensity of land uses would have an important impact on wildlife habitat.

h. A listing by date of any changes in Standing Order Forms:

Revised standing order forms were submitted to ERTS User Services September 7, 1972. However, the modifications have not been confirmed.

i. ERTS Image Descriptor forms:

(see attached)

j. Listing by date of any changed Data Request forms submitted to Goddard Space Flight Center/NDPF during the reporting period:

None submitted.

k. Status of Data Collection Platforms (if applicable):

Not applicable.

ERTS IMAGE DESCRIPTOR FORM

(See Instructions on Back)

DATE 10/27/72

PRINCIPAL INVESTIGATOR Harvey K. Nelson

GSFC I051

ORGANIZATION Bureau of Sport Fisheries and Wildlife

NDPF USE ONLY

D _____

N _____

ID _____

PRODUCT ID (INCLUDE BAND AND PRODUCT)	FREQUENTLY USED DESCRIPTORS*			DESCRIPTORS
	Lake	Agr ¹	Rivers	
102616594M	✓	✓	✓	Cultural features
102617001M	✓	✓	✓	
1019180145	✓	✓	✓	
1019180146	✓	✓	✓	
1019180147	✓	✓	✓	
¹ Agriculture				

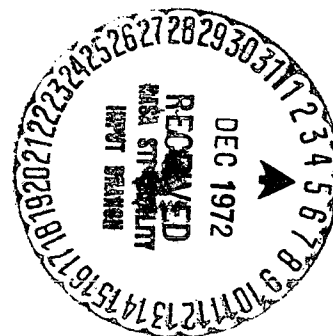
*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO ERTS USER SERVICES
 CODE 563
 BLDG 23 ROOM E413
 NASA GSFC
 GREENBELT, MD. 20771
 301-982-5406

INSTRUCTIONS FOR COMPLETION OF IMAGE DESCRIPTOR FORM GSFC 37-2 (7/72)

Image descriptors are only supplied by investigators. An image descriptor is a term which assists in defining the content of an image. All of these inputs will be compiled and entered into the NDPF data base for subsequent investigator query servicing and catalog preparation. A standard vocabulary of image descriptors is included in the Data Users Handbook, Section 4.

Coding for the major portion of this form is straight forward and self explanatory. It should be noted however that it is extremely important to assign the correct product ID to those descriptors that apply to a particular spectral image or a combination of spectral images. Below is a description of the product ID along with tables defining the valid band and product type (processing designator). Your cooperation in providing complete, valid product ID's would be greatly appreciated.



SATELLITE NUMBER (1 = ERTS A; 2 = ERTS B)

DAYS SINCE LAUNCH

HOURLY OF DAY (GMT)

MINUTES OF HOUR (GMT)

TENS OF SECONDS OF MINUTES (GMT)

PRODUCT ID

A	D	D	D	H	H	M	M	S	B	P
1	0	3	7	0	5	1	8	5	X	B

**"B" CODE SENSOR SPECTRAL
BAND DESIGNATOR**

B	Band
1	RBV 1
2	RBV 2
3	RBV 3
4	MSS 1
5	MSS 2
6	MSS 3
7	MSS 4
R	All RBV Bands
M	All MSS Bands
X	All Bands

**"P" CODE
PROCESSING DESIGNATOR
(PRODUCT)**

P	Processing Type
Blank	Sys. Corr.
A	Scene Corr.
B	Sys. Corr. Color
C	Scene Corr. Color
D	Sys. Corr. Digital
E	Scene Corr. Digital
X	Non Standard Processing

Sys. Corr. - System Corrected Images (Bulk)

Scene Corr. - Scene Corrected Images (Precision)